

LAND APPLICATION OF BIOSOLIDS SITE INSPECTION FORM

GENERAL INFORMATION:		DATE: 2 February 2004	
COUNTY: Henrico	CONTRACTOR/MUNICIPALITY: Nutri-Blend, Inc.		
NAME (OWNER/OPERATOR): Shirley Alexandria			
INSPECTED BY: Charlie Swanson		PERMIT NO: VDHBUR 64	
FIELD NO:		ACRES:	
OTHERS PRESENT: Mrs. Crenshaw, Mr. Crenshaw, daughter Holly; Kevin Engle –farmer			
FIELD DATA/OBSERVATIONS:		TIME: 1:30 p.m.	
WEATHER: cold 40's		SOIL CONDITIONS: wet	
BIOSOLIDS SOURCE: Class A pellets		BIOSOLIDS TYPE: pellets	
SOIL pH: not applicable		SOLIDS CONTENT OF BIOSOLIDS (%): approx. 90%	
APPLICATION RATE: field not spread yet, our understanding is that the normal rate is 2 tons per acre			
CROP AND EXPECTED YIELD: existing hay and cover crops			
LOAD TO DATE (WT):			
BIOSOLIDS APPLIED:	<input type="checkbox"/> LIQUID	<input type="checkbox"/> DEWATERED	
MODE OF APPLICATION:	<input type="checkbox"/> SURFACE	<input type="checkbox"/> SURFACE W/INCRP.	<input type="checkbox"/> INJECTION
APPLICATION LIMITED BY:	<input type="checkbox"/> NITROGEN	<input type="checkbox"/> pH	
	<input type="checkbox"/> MAX. HYDRAULIC LOADING (LIQUID BIOSOLIDS)		
	<input type="checkbox"/> MAX. SOLIDS LOADING (15 DRY TONS/ACRE)		
	<input type="checkbox"/> OTHER (SPECIFY):		
FIELD OBSERVATIONS			<u>YES</u>
			<u>NO</u>
	BUFFERS OBSERVED:		
	UNIFORM APPLICATION:		
	PROPER FIELD RECORDS: (not applicable)		
	SIGNS OF RUNOFF:		
	TRUCKS NON-SPILL/WATERTIGHT:		
	CONDITION OF HAUL ROUTE SATISFACTORY:		
ODORS PRESENT:	<input type="checkbox"/> NONE	(XX) NORMAL	<input type="checkbox"/> ABOVE NORMAL*
OVERALL CONDITION OF SITE:	<input checked="" type="checkbox"/> GOOD	<input type="checkbox"/> FAIR	<input type="checkbox"/> POOR

<p><u>COMMENTS:</u> (*explain):</p>	<p>On Monday, 2 February, 2004, Cal Sawyer, Director of Wastewater Engineering received a telephone call from a resident on Turkey Island Road in Henrico County. The resident registered a complaint that a family member was ill and would be harmed from odors coming from the Alexander farm operation that was stock piling Class A pelletized biosolids. Mr. Shirley Alexander has two FSA Tracts located off Turkey Island Road which in turn is located off Route 5 in eastern Henrico County. These two tracts were permitted by Nutri-Blend, Inc., in February 2000, for Class B biosolids applications.</p> <p>Mr. Swanson visited the farm later that afternoon and located two piles of stockpiled Class A pellets interior to the farm (located 0.45 miles off the intersection of Alexander Road and a dirt farming road). Mr. Swanson later visited with the complainant and Mr. Kevin Engle (the farmer that is renting Mr. Alexander's farm) was also present. Mr. Swanson was informed about some of the complainant's family medical problems and health effects of biosolids were discussed. Mr. Engle was concerned about what organic sources of fertilizer he could utilize on this farm.</p> <p>VDH has preliminarily determined that the two fields contain 29.5 permitted acres. These soils are in the Pamunkey fine sandy loam soils series and have a 0 to 2% slope. The soil productivity is 1a for corn and 1 for hay which is the highest soil productivity class.</p> <p>The soil description also states that this soil has a moderate runoff potential which Mr. Swanson witnessed very little erosion across the fields.</p> <p>The author could only detect a slight odor when standing near the two piles of unloaded Class A pellets. The complainant stated that the odors at night were causing an adverse reaction by the family member. The residence is located about 0.7 of a mile from the stockpiled pellets. The complainant requested that Mr. Engle use only non odorous fertilizer products on the entire farm.</p>
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COPIES:

VDH - Div. of Wastewater Engineering
Henrico County Health Department
Henrico County Administrator
Henrico County Public Utilities
Nutri Blend, Inc.